

Table ENG-4. - Building Site Development

Essex County, Virginia

The information in this table indicates the dominant soil condition, but does not eliminate the need for onsite investigation. The numbers in the value column range from 0.01 to 1.00. The larger the value, the greater the potential limitation. Limiting features in this report are limited to the top 5 limitations. Additional limitations may exist.

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
1A:							
Atlee	80	Somewhat limited Low strength Depth to saturated zone	0.78 0.19	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone	0.19
Emporia		Not Rated		Not Rated		Not Rated	
Kempsville		Not Rated		Not Rated		Not Rated	
2A:							
Augusta	90	Somewhat limited Depth to saturated zone	0.75	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone	0.75
Munden		Not Rated		Not Rated		Not Rated	
Tetotum		Not Rated		Not Rated		Not Rated	
Tomotley		Not Rated		Not Rated		Not Rated	
3A:							
Bibb	85	Very limited Depth to saturated zone Flooding	1.00 1.00	Very limited Depth to saturated zone Cutbanks cave	1.00 0.80 0.10	Very limited Flooding Depth to saturated zone	1.00 1.00
Catpoint		Not Rated		Not Rated		Not Rated	
Rappahanock		Not Rated		Not Rated		Not Rated	
4A:							
Bojac	85	Not limited		Very limited Cutbanks cave Depth to saturated zone	1.00 0.15	Not limited	
Munden		Not Rated		Not Rated		Not Rated	
State		Not Rated		Not Rated		Not Rated	
5A:							
Bolling	90	Very limited Low strength Depth to saturated zone	1.00 0.19	Very limited Cutbanks cave Depth to saturated zone	1.00 1.00	Somewhat limited Depth to saturated zone	0.19

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Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
5A:							
Molena		Not Rated		Not Rated		Not Rated	
Pamunkey		Not Rated		Not Rated		Not Rated	
6B:							
Catpoint	90	Not limited		Very limited		Somewhat limited	
				Cutbanks cave		Droughty	
				Depth to saturated zone		0.88	
				1.00			
				0.15			
Munden		Not Rated		Not Rated		Not Rated	
Tetotum		Not Rated		Not Rated		Not Rated	
7A:							
Chickahominy	85	Very limited		Very limited		Very limited	
		Depth to saturated zone		Depth to saturated zone		Depth to saturated zone	
		1.00		1.00		1.00	
		Low strength		Cutbanks cave			
		1.00		0.10			
		Shrink-swell		Too clayey			
		0.50		0.06			
Ponded soils		Not Rated		Not Rated		Not Rated	
Tetotum		Not Rated		Not Rated		Not Rated	
Tomotley		Not Rated		Not Rated		Not Rated	
8A:							
Dogue	85	Somewhat limited		Very limited		Somewhat limited	
		Shrink-swell		Cutbanks cave		Depth to saturated zone	
		0.50		1.00		0.03	
		Depth to saturated zone		Depth to saturated zone			
		0.03		1.00			
				Too clayey		0.03	
Chickahominy		Not Rated		Not Rated		Not Rated	
Newflat		Not Rated		Not Rated		Not Rated	
State		Not Rated		Not Rated		Not Rated	
Tetotum		Not Rated		Not Rated		Not Rated	
9A:							
Emporia	90	Not limited		Somewhat limited		Not limited	
				Depth to saturated zone		0.73	
				Cutbanks cave		0.10	
Kempsville		Not Rated		Not Rated		Not Rated	
Slagle		Not Rated		Not Rated		Not Rated	

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Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
9B:							
Emporia	90	Not limited		Somewhat limited		Not limited	
				Depth to saturated zone	0.73		
				Cutbanks cave	0.10		
Kempsville		Not Rated		Not Rated		Not Rated	
Slagle		Not Rated		Not Rated		Not Rated	
9C:							
Emporia	80	Not limited		Somewhat limited		Not limited	
				Depth to saturated zone	0.73		
				Cutbanks cave	0.10		
Kempsville		Not Rated		Not Rated		Not Rated	
Slagle		Not Rated		Not Rated		Not Rated	
10A:							
Kempsville	80	Not limited		Somewhat limited		Not limited	
				Cutbanks cave	0.10		
Emporia		Not Rated		Not Rated		Not Rated	
Slagle		Not Rated		Not Rated		Not Rated	
Suffolk		Not Rated		Not Rated		Not Rated	
10B:							
Kempsville	80	Not limited		Somewhat limited		Not limited	
				Cutbanks cave	0.10		
Emporia		Not Rated		Not Rated		Not Rated	
Slagle		Not Rated		Not Rated		Not Rated	
Suffolk		Not Rated		Not Rated		Not Rated	
10C:							
Kempsville	95	Not limited		Somewhat limited		Not limited	
				Cutbanks cave	0.10		
Emporia		Not Rated		Not Rated		Not Rated	
11A:							

Table ENG-4. - Building Site Development - Continued

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Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
11A:							
Levy	95	Very limited		Very limited		Very limited	
		Ponding	1.00	Ponding	1.00	Ponding	1.00
		Depth to saturated zone	1.00	Flooding	1.00	Flooding	1.00
		Flooding	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
Rappahannock		Not Rated		Not Rated		Not Rated	
12A:							
Molena	85	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Droughty	0.93
Munden		Not Rated		Not Rated		Not Rated	
Pamunkey		Not Rated		Not Rated		Not Rated	
12B:							
Molena	85	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Droughty	0.93
Munden		Not Rated		Not Rated		Not Rated	
Pamunkey		Not Rated		Not Rated		Not Rated	
13A:							
Munden	80	Somewhat limited		Very limited		Somewhat limited	
		Depth to saturated zone	0.19	Cutbanks cave	1.00	Depth to saturated zone	0.19
				Depth to saturated zone	1.00		
Bojac		Not Rated		Not Rated		Not Rated	
State		Not Rated		Not Rated		Not Rated	
Tetotum		Not Rated		Not Rated		Not Rated	
14A:							
Newflat	85	Very limited		Very limited		Very limited	
		Low strength	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Too clayey	0.28		
		Shrink-swell	0.50	Cutbanks cave	0.10		
Chickahominy		Not Rated		Not Rated		Not Rated	
Tetotum		Not Rated		Not Rated		Not Rated	
15A:							

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		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
15A:							
Pamunkey	90	Not limited		Very limited Cutbanks cave Depth to saturated zone		Not limited 1.00 0.15	
Bolling		Not Rated		Not Rated		Not Rated	
Molena		Not Rated		Not Rated		Not Rated	
16:							
Pits	100	Not Rated		Not Rated		Not Rated	
17A:							
Rappahannock	70	Very limited Ponding Depth to saturated zone Flooding		Very limited Ponding Depth to saturated zone Content of organic matter		Very limited Ponding Flooding Content of organic matter 1.00 1.00 1.00	
18B:							
Rumford	90	Not limited		Very limited Cutbanks cave		Not limited 1.00	
Kempsville		Not Rated		Not Rated		Not Rated	
Suffolk		Not Rated		Not Rated		Not Rated	
19E:							
Rumford	45	Very limited Slope		Very limited Slope Cutbanks cave		Very limited Slope 1.00	
Emporia	30	Very limited Slope		Very limited Slope Depth to saturated zone Cutbanks cave		Very limited Slope 1.00 0.73 0.10	
Bibb		Not Rated		Not Rated		Not Rated	
Kempsville		Not Rated		Not Rated		Not Rated	
Slagle		Not Rated		Not Rated		Not Rated	
20D:							
Rumford	45	Somewhat limited Slope		Very limited Cutbanks cave Slope		Somewhat limited Slope 0.37 1.00 0.37	

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		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
20D:							
Slagle	25	Somewhat limited		Very limited		Somewhat limited	
		Slope	0.37	Cutbanks cave	1.00	Slope	0.37
		Depth to saturated zone	0.03	Depth to saturated zone	1.00	Depth to saturated zone	0.03
				Slope	0.37		
Bibb		Not Rated		Not Rated		Not Rated	
Dogue		Not Rated		Not Rated		Not Rated	
Kempsville		Not Rated		Not Rated		Not Rated	
Suffolk		Not Rated		Not Rated		Not Rated	
21B:							
Slagle	80	Somewhat limited		Very limited		Somewhat limited	
		Depth to saturated zone	0.03	Cutbanks cave	1.00	Depth to saturated zone	0.03
				Depth to saturated zone	1.00		
Atlee		Not Rated		Not Rated		Not Rated	
Emporia		Not Rated		Not Rated		Not Rated	
Kempsville		Not Rated		Not Rated		Not Rated	
21C:							
Slagle	80	Somewhat limited		Very limited		Somewhat limited	
		Depth to saturated zone	0.03	Cutbanks cave	1.00	Depth to saturated zone	0.03
				Depth to saturated zone	1.00		
Emporia		Not Rated		Not Rated		Not Rated	
Kempsville		Not Rated		Not Rated		Not Rated	
22A:							
State	90	Not limited		Very limited		Not limited	
				Cutbanks cave	1.00		
				Depth to saturated zone	0.15		
Bojac		Not Rated		Not Rated		Not Rated	
State		Not Rated		Not Rated		Not Rated	
Tetotum		Not Rated		Not Rated		Not Rated	
22B:							

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Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
22B:							
State	90	Not limited		Very limited Cutbanks cave Depth to saturated zone		Not limited 1.00 0.15	
Bojac		Not Rated		Not Rated		Not Rated	
Tetotum		Not Rated		Not Rated		Not Rated	
23A:							
Suffolk	90	Not limited		Very limited Cutbanks cave		Not limited 1.00	
Kempsville		Not Rated		Not Rated		Not Rated	
Rumford		Not Rated		Not Rated		Not Rated	
23B:							
Suffolk	90	Not limited		Very limited Cutbanks cave		Not limited 1.00	
Kempsville		Not Rated		Not Rated		Not Rated	
Rumford		Not Rated		Not Rated		Not Rated	
24A:							
Tetotum	80	Very limited Low strength Depth to saturated zone	1.00 0.19	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone	0.19
Munden		Not Rated		Not Rated		Not Rated	
State		Not Rated		Not Rated		Not Rated	
Tomotley		Not Rated		Not Rated		Not Rated	
24B:							
Tetotum	80	Very limited Low strength Depth to saturated zone	1.00 0.19	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone	0.19
Munden		Not Rated		Not Rated		Not Rated	
State		Not Rated		Not Rated		Not Rated	
Tomotley		Not Rated		Not Rated		Not Rated	

25A:

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Essex County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
25A:							
Tomotley	80	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
				Cutbanks cave	0.10		
Augusta		Not Rated		Not Rated		Not Rated	
Chickahominy		Not Rated		Not Rated		Not Rated	
Tetotum		Not Rated		Not Rated		Not Rated	
W:							
Water	100	Not Rated		Not Rated		Not Rated	